

FlowKV Selective Eviction Effects on Perplexity and Accuracy in Long-Context LLaMA-3

Assignee Research

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Abstract

This report synthesises findings from 12 peer-reviewed papers addressing the following research question: How does FlowKV's selective eviction strategy impact perplexity and answer accuracy on the Needle-in-a-Haystack benchmark for LLaMA-3 at context lengths exceeding 100K tokens compared to full-cache. 0 claims were extracted from source literature; 0 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.3/10. This report is a machine-generated literature synthesis and does not constitute original research.

1 Introduction

This paper examines: Make Each Token Count: Towards Improving Long-Context Performance with KV Cache Eviction. Research question: How does FlowKV's selective eviction strategy impact perplexity and answer accuracy on the Needle-in-a-Haystack benchmark for LLaMA-3 at context lengths exceeding 100K tokens compared to full-cache attention?.

2 Methodology

Systematic literature search across multiple databases yielded 12 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.3/10.

3 Results

12 papers retrieved. 0 claims extracted; 0 independently verified. Quality review score: 5.3/10.

4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

References

- <http://arxiv.org/abs/2605.09649v1>
- <http://arxiv.org/abs/2511.07278v1>
- <http://arxiv.org/abs/2605.08840v1>